



TBP Converting, Inc.  
3M Venture Tape UL181A-P PDS



# Venture Tape™ UL181A-P Aluminum Foil Tape 1581A

Technical Data

January, 2015

**Product Description** 3M™ Venture Tape™ UL181A-P Aluminum Foil Tape 1581A is a 2.0 mil high temperature, high strength aluminum foil coated with a cold weather acrylic pressure sensitive adhesive. Conformable foil applies easily to both fibrous and sheet metal ducts on flat and irregular surfaces.

Product Construction	Backing	Adhesive	Color	Liner	Standard Roll Length
	High tensile aluminum foil	Acrylic	Natural Aluminum	Paper	60 yds (55m)

- Features**
- UL181A-P Listed (UL File # MH16587)
  - UL181B-FX Listed (UL File # MH16587)
  - ULC S102 Listed [Flame/Smoke 0/0] (ULC File # R10984)
  - Cold weather adhesive

**Typical Physical Properties** **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Test	Typical Value	Typical Value (Metric)	Test Method
Product Thickness <sup>Ω</sup>	4.0 mils	0.10 mm	PSTC-133
Peel Adhesion <sup>Δ</sup>	60 oz/in	16.7 N/25 mm	PSTC-101
Shear Adhesion	>24 hrs @ 2.2 psi	>24 hrs @ 15.2 kPa	PSTC-107
Tensile Strength	27 lb/in	122.0 N/25 mm	PSTC-131
Elongation	10%	10%	PSTC-131
Service Temperature	-40 to 300°F	-40 to 149°C	

Ω - excluding liner Δ - 20 minute dwell

- Application Ideas**
- Vapor seal on reinforced fiberglass duct board

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**Storage** Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.

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**Shelf Life** To obtain best performance, use this product within 12 months from date of manufacture

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**Technical Information** The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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